

E-Patent Information

Approved for use through 10/31/02, OMB control no. 2700-0047
Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Declaration and Power of Attorney for Patent Application

特許出願宣言書及び委任状

Japanese Language Declaration

日本語宣言書

私は、以下に記載された発明者として、ここに下記の通り宣言する。

As a below named inventor, I hereby declare that

私の住所、郵便の宛先として同様は、私の住所の後に記載された通りである。

My residence, post office address, and citizenship are as stated next to my name.

下記の名称の発明について、特許請求範囲に記載され、且つ特許が求められている発明手続に關して、私は、最初、且つ唯一の発明者である（即ちの氏名が記載されている場合）か、或いは最初、且つ唯一の共同発明者である（複数の氏名が記載されている場合）と信じている。

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

METHOD OF UPGRADING BIOMASS,
UPGRADED BIOMASS, BIOMASS WATER
SLURRY AND METHOD OF PRODUCING
SAME, UPGRADED BIOMASS GAS², AND
METHOD OF GASIFYING BIOMASS

上記発明の明細書はここに添付されているが、下記の箱がチェックされている場合は、この限りでない：

the specification of which is attached hereto unless the following box is checked.



の日に出版され、

この出願の米国出願番号またはPCT国際出願番号は、

であり、且つ

の日に補正された出願（該当する場合）

私は、上記の補正案によって補正された、特許請求範囲を含む上記明細書を受け取り、且つ内容を理解していることをここに表明する。



was filed on April 25, 2003

as United States Application Number or

PCT International Application Number

PCT/JP03/05362

and was amended on

(if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

私は、連邦規則法第37編規則1.56に記載されている、均等性について必要な情報を開示する義務があることを認める。

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56.

BEST AVAILABLE COPY

Under the Paperwork Reduction Act of 1996, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Japanese Language Declaration

(日本語宣言書)

私は、ここに、下記に記載した外国での先行出願または発明者等の出願、或いは米国以外の少なくとも一団を出発している米国法の下で出願された発明によるPCT国際出願について、特許法第119条(a)の例えは第36条(a)系に基づいて優先権を主張するとともに、優先権を主張する本出願の出発日より前の出願日とする外国での先行出願または発明者等の出願、或いはPCT国際出願について、いかなる出願も、下記の内容をサインすることにより、

I hereby claim foreign priority under Title 35, United States Code Section 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365 (a) of any PCT International application which designated at least one country other than the United States listed below and have also identified below, by checking the box, any foreign application for patent, or inventor's certificate, or PCT International application having a filing date before that of the application for which priority is claimed.

Prior Foreign Application(s)

外国での先行出願

Patent 2001-328363
(Number)
(番号)

Japan
(Country)
(国名)

25/10/2001
(Day/Month/Year Filed)
(出願日(年・月・日))



Patent 2002-234987
(Number)
(番号)

Japan
(Country)
(国名)

12/08/2002
(Day/Month/Year Filed)
(出願日(年・月・日))



私は、ここに、下記に示すいかなる米国特許出願についても、その米国特許出願第119条(a)系の特許を主張する。

I hereby claim the benefit under Title 35, United States Code, Section 119(e) of any United States provisional application(s) listed below.

(Application No.) (Filing Date)
(出願番号) (出願日)

(Application No.) (Filing Date)
(出願番号) (出願日)

私は、ここに、下記に示すいかなる米国出願についても、その米国特許出願第119条(c)系の特許を主張し、又特許を規定するいかなるPCT国際出願についても、その特許第36条(a)系に基づいて特許を主張する。また、本出願の特許請求事項の発明が、米国法第36条第119条第1段に規定された態様で、先行する米国出願又はPCT国際出願に開示されていない場合においては、その先行出願の出願日と本国内出願日またはPCT国際出願日との間の期間中に入手された情報で、発明の特許第36条第119条第1段に規定された特許に開示される重要な情報について開示義務があることを承認する。

I hereby claim the benefit under Title 35, United States Code, Section 120 of any United States application(s), or 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of Title 35, United States Code Section 112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 35, United States Code, Section 1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application.

(Application No.) (Filing Date)
(出願番号) (出願日)

(Application No.) (Filing Date)
(出願番号) (出願日)

(Status: Patented, Pending, Abandoned)
(状態: 特許許可、待審中、放棄)

(Status: Patented, Pending, Abandoned)
(状態: 特許許可、待審中、放棄)

私は、ここに表明された私の発明の知識に基く特許が重要であり、かつ特許を促進することに役立つ陳述が、真実であると信じることを宣誓し、さらに、故意に虚偽の陳述などを行った場合は、米国法第第119条第119条(c)系に基づき、罰金または拘禁、若しくはその両方に与えられること、またそのような故意による虚偽の陳述は、本出願またはそれに対して行われるいかなる特許も、その有効性に問題が生ずることを理解した上で陳述が行われたことを、ここに承認する。

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Approved for use through Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE
 Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Japanese Language Declaration
 (日本語宣言書)

本宣誓：私は本出願を審査する予備を行い、且つ本特許審判部と
 の交渉の進展を待つために、記名された発明者として、下記の自
 認し及び/または代理人を任命する。(氏名及び登録番号を記載する
 こと)

POWER OF ATTORNEY: As a named inventor, I hereby appoint
 the following attorney(s) and/or agent(s) to prosecute this application
 and transact all business in the Patent and Trademark Office
 connected therewith *(date name and registration number)*.

Practitioners associated with Customer Number 07278:

本願代理人
 DARBY & DARBY P.C.
 P.O. Box 5257
 New York, New York 10150-5257

Send Correspondence to:
 DARBY & DARBY P.C.
 P.O. Box 5257
 New York, New York 10150-5257

直接電話担当者：(氏名及び電話番号)
 Joseph R. Robinson (212) 527-7783

Direct Telephone Calls to: *(name and telephone number)*
 Joseph R. Robinson (212) 527-7783

第一または第一発明者氏名	Full name of sole or first inventor
発明者の署名	Chiaki SUYAMA
日付	Inventor's signature Date
	Ch.aki Suyama August 5, 2005
住所	Residence
国籍	Yokohama-shi, Japan
郵便の宛先	Citizenship
	Japan
	Post Office Address
	c/o JGC Corporation,
	3-1, Minatomirai 2-chome, Nishi-ku, Yokohama-shi,
	Kanagawa-ken, Japan

第二共同発明者がある場合、その氏名	Full name of second joint inventor, if any
第二共同発明者の署名	Shinichi TOKUDA
日付	Second inventor's signature Date
	Shinichi Tokuda August 5, 2005
住所	Residence
国籍	Yokohama-shi, Japan
郵便の宛先	Citizenship
	Japan
	Post Office Address
	c/o JGC Corporation
	3-1, Minatomirai 2-chome, Nishi-ku, Yokohama-shi,
	Kanagawa-ken, Japan

(第三以下の共同発明者についても同様に記載し、署名を
 すること)

(Supply similar information and signature for third and subsequent
 joint inventors.)

Approved for use through 10/31/02 (501) 0001 0002
 Patent and Trademark Office U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Japanese Language Declaration

(日本語宣誓書)

中略：私は本出願を審査する手続を行い、且つ米国特許審判官との全ての業務を遂行するために、記名された発明者として、上記の発明者及び/または代理人を任命する。(氏名及び登録番号を記載すること)

POWER OF ATTORNEY As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith: (last name and registration number)

Practitioners associated with Customer Number 07278:

Send Correspondence to

DARBY & DARBY P.C.
 P.O. Box 5257
 New York, New York 10150-5257

Direct Telephone Calls to: (name and telephone number)

DARBY & DARBY P.C.
 P.O. Box 5257
 New York, New York 10150-5257

Joseph R. Robinson (212) 527-7783

Joseph R. Robinson (212) 527-7783

第一または第二発明者氏名	Full name of third joint inventor
発明者の署名	Masao TSURUI
日付	Third inventor's signature Date
	Masao Tsurui August 5, 2005
住所	Residence
	Higashi Ibaraki-gun, Japan
国籍	Citizenship
	Japan
郵便の宛先	Post Office Address
	c/o JGC Corporation, 3-1, Minatomirai 2-chome, Nishi-ku, Yokohama-shi Kanagawa-ken, Japan
第三共同発明者がいる場合、その氏名	Full name of fourth joint inventor, if any
第一共同発明者の署名	Yoshinori SUTO
日付	Fourth inventor's signature Date
	Yoshinori Suto August 5, 2005
住所	Residence
	Yokohama-shi, Japan
国籍	Citizenship
	Japan
郵便の宛先	Post Office Address
	c/o JGC Corporation, Research & Development Center, 2205, Nanta-cho, Orai-machi, Higashi Ibaraki-gun, Ibaraki-ken, Japan

Patent and Trademark Office
 Approved for use through 10/1/02. (SAR 06/1/02)
 Patent and Trademark Office 10/1/02 (SAR 06/1/02)

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Japanese Language Declaration
 (日本語宣誓書)

私は、私は本出願を提出する手続を行い、日本国特許庁及び
 の全ての費用を遂行するために、記名された発明者として、上記の発
 明者及び/または代理人を任命する。(氏名及び登録番号を記載する
 こと)

POWER OF ATTORNEY: As a named inventor, I hereby appoint
 the following attorney(s) and/or agent(s) to prosecute this application
 and transact all business in the Patent and Trademark Office
 connected therewith. (last name and registration number)

Practitioners associated with Customer Number 07278:

送付先
 DARBY & DARBY P.C.
 P.O. Box 5257
 New York, New York 10150-5257

Send Correspondence to:
 DARBY & DARBY P.C.
 P.O. Box 5257
 New York, New York 10150-5257

直接電話
 Joseph R. Robinson (212) 527-7783

Direct Telephone Calls to: (name and telephone number)
 Joseph R. Robinson (212) 527-7783

第一共同発明者氏名	Full name of fifth joint inventor	Koji TAMURA
発明者の署名	Fifth inventor's signature	<i>Koji Tamura</i>
日付	Date	August 5, 2005
住所	Residence	Higashi Ibaraki-gun, Japan
国籍	Citizenship	Japan
郵便の宛先	Post Office Address	c/o JGC Corporation, Research & Development Center, 2205, Narita-cho, Oarai-machi, Higashi Ibaraki-gun, Ibaraki-ken, Japan
第二共同発明者がある場合、その氏名	Full name of sixth joint inventor, if any	Tsutomu KATAGIRI
第二共同発明者の署名	Sixth inventor's signature	<i>Tsutomu Katagiri</i>
日付	Date	August 5, 2005
住所	Residence	Higashi Ibaraki-gun, Japan
国籍	Citizenship	Japan
郵便の宛先	Post Office Address	c/o JGC Corporation, Research & Development Center, 2205, Narita-cho, Oarai-machi, Higashi Ibaraki-gun, Ibaraki-ken, Japan

Approved for use through 10/1/02 (BAR) 0651/0032
 Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Japanese Language Declaration
 (日本語宣言書)

本件は、私は本出願を審査する手続を行い、且つ本出願が特許権と
 の全ての権利を行使するために、記名された発明者として、下記の有
 限責任会社または有限責任を任命する。(氏名及び登録番号を記載する
 こと)

POWER OF ATTORNEY: As a named inventor, I hereby appoint
 the following attorney(s) and/or agent(s) to prosecute this application
 and transact all business in the Patent and Trademark Office
 connected therewith; (list name and registration number).

Practitioners associated with Customer Number 07278:

寄附金
 DARBY & DARBY P.C.
 P.O. Box 5257
 New York, New York 10150-5257

Send Correspondence to:
 DARBY & DARBY P.C.
 P.O. Box 5257
 New York, New York 10150-5257

直接電話に話す (氏名及び電話番号)
 Joseph R. Robinson (212) 527-7783

Direct Telephone Calls to: (name and telephone number)
 Joseph R. Robinson (212) 527-7783

第七の発明者氏名	Full name of seventh joint inventor
発明者の署名	Seventh inventor's signature
日付	Date
住所	Residence
国籍	Citizenship
郵便の宛先	Post Office Address
	Teruo NAGAI August 5, 2005 Tokyo, Japan Japan c/o The Tokyo Electric Power Company, Incorporated, 1-3, Uchisaiwai-cho 1-chome, Chiyoda-ku, Tokyo, Japan

第八の発明者氏名	Full name of eighth joint inventor, if any
発明者の署名	Eighth inventor's signature
日付	Date
住所	Residence
国籍	Citizenship
郵便の宛先	Post Office Address
	Jin OGAWA August 5, 2005 Tokyo, Japan Japan c/o The Tokyo Electric Power Company, Incorporated, 1-3, Uchisaiwai-cho 1-chome, Chiyoda-ku, Tokyo, Japan

PT 4235 (page 5 of 6)

Approved for use through 10/31/02. OMB 0631-0072
Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it carries a valid OMB control number.

Japanese Language Declaration
(日本語の宣誓)

私は、私は本出願を提出する権利を行い、且つ米国特許商標庁との全ての業務を遂行するために、記された発明者として、上記の発明者及び/または代理人を任命する。(氏名及び登録番号を記載すること)

POWER OF ATTORNEY. As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith: (list name and registration number).

Practitioners associated with Customer Number 07278:

送付先

DARBY & DARBY P.C.
P.O. Box 5257
New York, New York 10150-5257

Send Correspondence to:

DARBY & DARBY P.C.
P.O. Box 5257
New York, New York 10150-5257

直接電話する (氏名及び電話番号)

Joseph R. Robinson (212) 527-7783

Direct Telephone Calls to: (name and telephone number)

Joseph R. Robinson (212) 527-7783

第一または第一発明者氏名	Full name of ninth joint inventor
発明者の署名	Takeshi YAMAGUCHI
日付	Ninth inventor's signature Date
住所	Takeshi Yamaguchi August 5, 2006
国籍	Residence
郵便の宛先	Tokyo, Japan
	Citizenship
	Japan
	Post Office Address
	c/o The Tokyo Electric Power Company, Incorporated, 1-3, Uchisaiwai-cho 1-chome, Chiyoda-ku, Tokyo, Japan
第二共同発明者がいる場合、その氏名	Full name of tenth joint inventor, if any
第二共同発明者の署名	Tenth inventor's signature
日付	Date
住所	Residence
国籍	Citizenship
郵便の宛先	Japan
	Post Office Address

Japanese Language Declarati

(日本語宣言書)

Supplemental Priority Data Sheet

Additional prior foreign applications:

Number (番号)	Country (国名)	Day/Month/Year Filed (出願年月日)	Priority Claimed (優先権主張)
Patent 2002-332190	Japan	15/11/2002	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
			Yes <input type="checkbox"/> No <input type="checkbox"/>
			Yes <input type="checkbox"/> No <input type="checkbox"/>
			Yes <input type="checkbox"/> No <input type="checkbox"/>
			Yes <input type="checkbox"/> No <input type="checkbox"/>

Additional provisional applications:

Application Number (出願番号)	Filing Date (出願日)

Additional U.S. applications:

Application Number (出願番号)	Filing Date (出願日)	Status: Patented, Pending, Abandoned (現況: 特許許可済、係属中、放棄済)

**This Page is Inserted by IFW Indexing and Scanning
Operations and is not part of the Official Record**

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

- ☒ **BLACK BORDERS**
- ☐ **IMAGE CUT OFF AT TOP, BOTTOM OR SIDES**
- ☐ **FADED TEXT OR DRAWING**
- ☐ **BLURRED OR ILLEGIBLE TEXT OR DRAWING**
- ☐ **SKEWED/SLANTED IMAGES**
- ☐ **COLOR OR BLACK AND WHITE PHOTOGRAPHS**
- ☐ **GRAY SCALE DOCUMENTS**
- ☐ **LINES OR MARKS ON ORIGINAL DOCUMENT**
- ☐ **REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY**
- ☐ **OTHER:** _____

IMAGES ARE BEST AVAILABLE COPY.

As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.